

# DISTRICT STANDARD FIVE TERM III - YEAR 2011

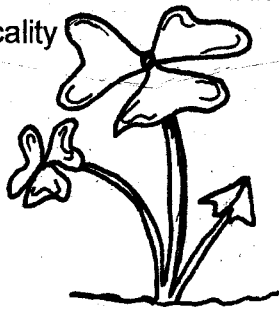
## SCIENCE

TIME: 1 hour 40 min

**HOW TO USE THE ANSWER SHEET**

1. Use only an ordinary pencil
2. Make sure that you have written on the Answer Sheet
  - (i) YOUR NAME
  - (ii) NAME OF YOUR SCHOOL

1. HIV and AIDS is not spread through
  - A. Open wounds
  - B. Blood transfusion
  - C. Playing with infected children
  - D. Sexual intercourse
2. In order to maintain strong and healthy teeth, one should eat;
  - A. Milk and fruits
  - B. Sugar and cakes
  - C. Sugarcane and sweets
  - D. Ice cream and chocolate bars
3. The diagram shows a certain weed that is found in the locality



The name of the weed is:

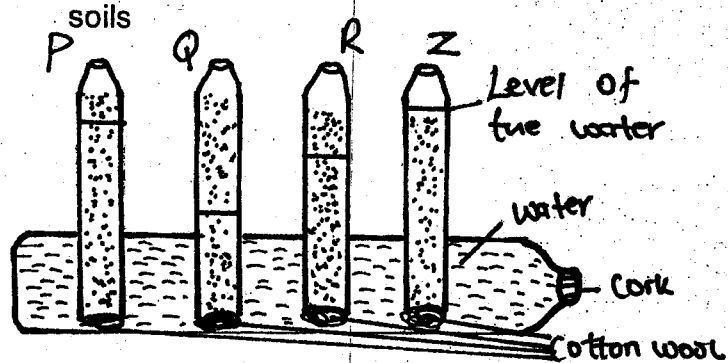
- |                  |                |
|------------------|----------------|
| A. Wandering Jew | B. Oxalis      |
| C. Pigweed       | D. Thorn apple |
4. A class five was classifying animals. They saw the following animals in the school compound Butterfly, grasshopper, cockroach and a mite. Which animal did not belong to the group?
 

A. Grasshopper	B. Butterfly
C. Cockroach	D. Mite
  5. Which of the following animals is wrongly matched with the way it feeds?
 

Animal	How it feeds
A. Tick	Sucking
B. Cow	Chewing
C. Chicken	Pecking
D. Spider	Chewing
  6. The ability of the soil to allow water to pass through it is its
 

A. Texture	B. Capillarity
C. Retention capacity	D. Drainage

7. The diagram below shows capillarity in different soils

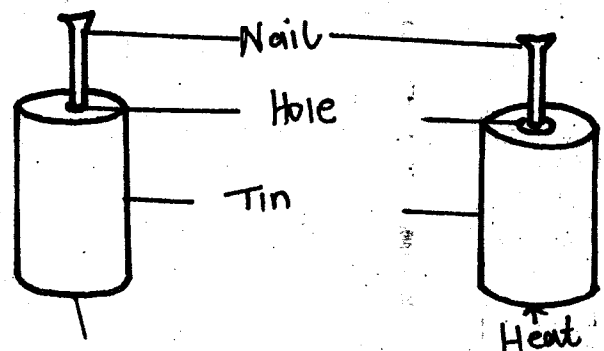


Which tube represents clay soil?

- A. P    B. Z    C. Q    D. R

8. Protective foods can be got from
  - A. Meat and fish oils
  - B. Fish and fat
  - C. Vegetables and fruits
  - D. Fats and oils
9. Which of the following foods is not a source of fibres?
 

A. Carrots	B. Fats and oils
C. Guavas	D. Mangoes
10. A class five did an experiment on effects of heat on matter. They drew diagrams as shown below

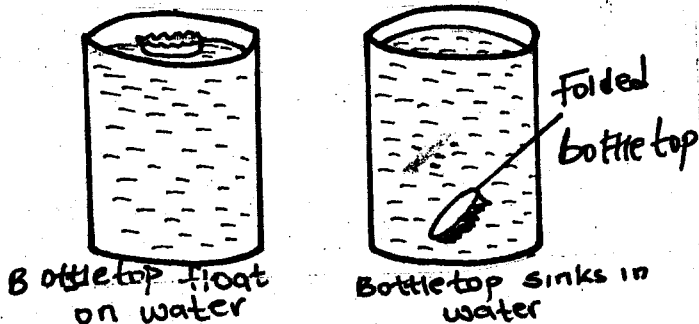


- (i) Nail does not pass through the hole      (ii) Nail passed through the hole

The class concluded that:

- A. Solids expand on heating
- B. Solids contract on heating
- C. Nails don't like passing through holes
- D. Tins contract on heating

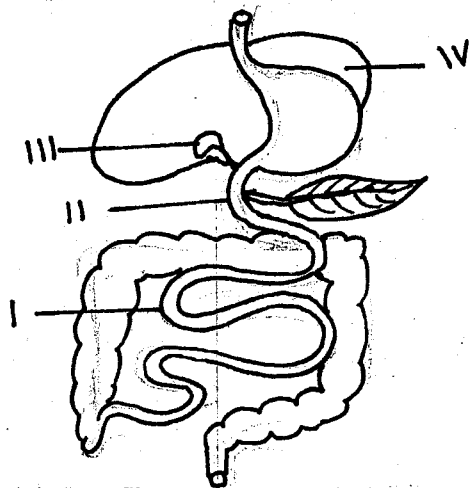
11. Which one of the following is not a source of heat?  
 A. Gas                                  B. Electricity  
 C. Fire                                  D. Moon
12. Standard four pupils did an experiment on floating and sinking and drew diagrams as shown below



The bottle top sank because of its

- A. shape                                  B. size  
 C. material                                  D. shape and size

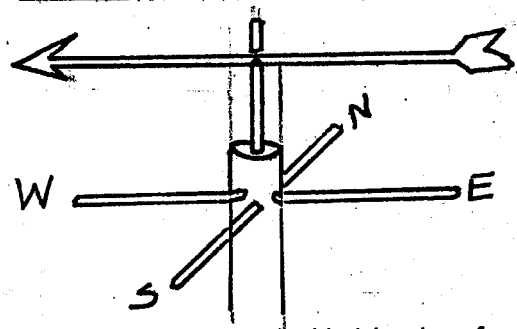
Use the diagram to answer the question



13. Which part produces a juice that is used to digest fats and oil?  
 A. iv    B. i    C. ii    D. iii
14. Which of these is not a problem related to teeth?  
 A. Gingivitis                                  B. Exercising teeth  
 C. Cavity                                  D. Plaque
15. Which of these is not a safety measure when handling chemicals at home?  
 A. Wind and spray should blow away from you when spraying  
 B. All containers of chemicals should be well labelled  
 C. Chemicals should be sprayed when the room is in use  
 D. Chemicals should be stored out of children reach

16. Which of these is not a function of the stem?  
 A. Support the plant parts  
 B. Holding the plant firmly in the soil  
 C. Transportation  
 D. Food storage
17. The soil with the highest capillarity  
 A. has the largest particles  
 B. spreads easily  
 C. is not good for modelling  
 D. has the best water holding capacity

The diagram below shows a windvane

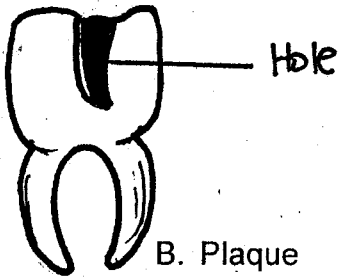


18. It shows that the wind is blowing from  
 A. North                                  B. East  
 C. South                                  D. West
19. Which of these is not a body building food?  
 A. Green grams                                  B. Potatoes  
 C. Groundnuts                                  D. Cashewnuts
20. The loudness or softness of sound is called  
 A. pitch                                  B. whisper and noise  
 C. volume                                  D. amplification
21. In order to be healthy and strong we must eat  
 A. a balanced diet                                  B. proteins  
 C. fruits                                  D. heavy breakfast
22. Which of these is not a way of maintaining farm tools?  
 A. Cleaning them before use  
 B. Proper storage  
 C. Oiling and greasing  
 D. Sharpening cutting tools
23. Changing of gas to a liquid is called \_\_\_\_\_  
 A. evaporation                                  B. condensation  
 C. freezing                                  D. melting
24. The instrument used in measuring mass is known as  
 A. Kilogram                                  B. Newtons  
 C. Beambalance                                  D. Weighing
25. Floating and sinking is not affected by  
 A. shape                                  B. material  
 C. weight                                  D. size

26. The following are functions of the parts of the breathing system. Which one is done by the C- shape rings?
- Trapping dust
  - Warming the air
  - Keeping trachea open
  - Allow exchange of gases

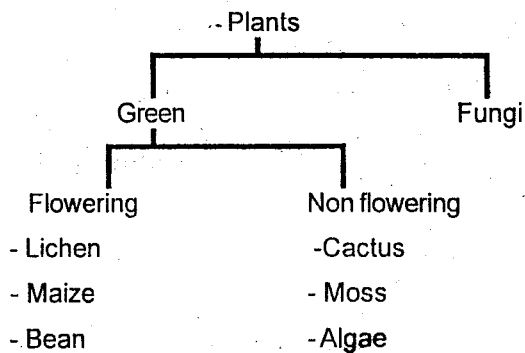
27. What do we call the last four teeth that come out later in adults?
- Deciduous teeth
  - Wisdom teeth
  - Milk teeth
  - False teeth

28. The type of the teeth problem drawn below is called

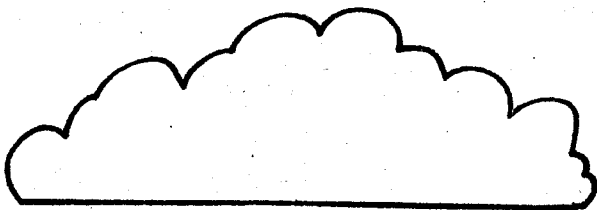


- Cavity
- Plaque
- Bleeding gums
- Bad smell

29. Which plants are wrongly grouped?



- Beans and cactus
  - Algae and maize
  - Cactus and lichen
  - Moss and maize
30. The following non - green plants are harmful except
- Athletes foot
  - Dandruff
  - Yeast
  - Ringworm
31. Which of the following characteristics is not for the cloud drawn below?



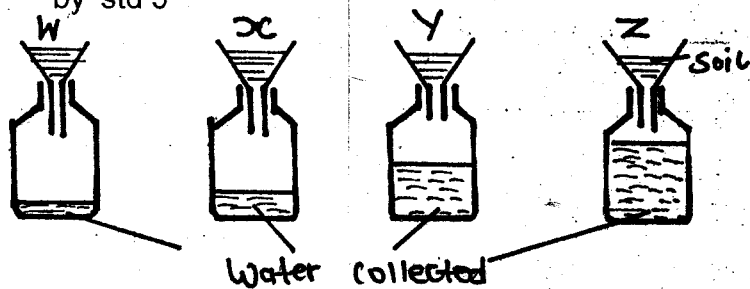
- Dark or grey
- Have a flat base
- Indicate fine weather
- White and feathery

32. The following are characteristics of mammals, which one is not?
- They have mammary glands
  - They all give birth
  - They are warm blooded
  - Have hairy bodies

33. Which type of soil has the following properties
- Neither smooth nor rough
  - Its a mixture
  - The particles are neither big nor small
- Clay
  - Sand
  - Sand and loam
  - Loam

34. Why are we not able to see stars during the day?
- The sun is too bright
  - They are not there
  - They are hidden by the blue sky
  - They are very small

35. The set - up below was for an experiment done by std 5



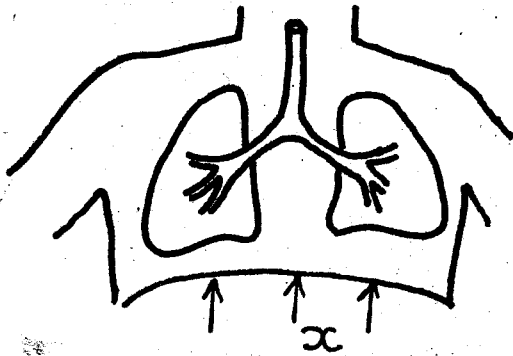
Which funnel contains sand soil?

- W
  - X
  - Y
  - Z
36. The following are ways of lighting a house. Which one does not use natural light?
- Windows
  - Electricity
  - Transluscent roof
  - Doors
37. Which of the following statements is true about solids, liquids and gases?
- The all have definite
- Volume
  - Mass
  - Size
  - Shape
38. The type of teeth drawn below is used for \_\_\_\_\_



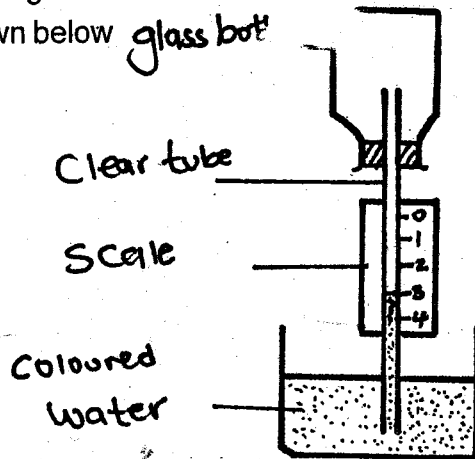
- tearing food
- cutting or biting food
- chewing food
- grinding food

Use the diagram to answer question 39



39. When breathing out the part labelled x \_\_\_\_\_  
 A. move downwards B. flatten  
 C. curves upwards D. contracts
40. Which one of the following is not a tuber crop?  
 A. Arrowroot B. Onion  
 C. Cassava D. Irish potato

41. Mwangi constructed the weather instrument drawn below



At around 2.00 pm it became very hot. He found that the level of the coloured water in the tube had

- A. remained the same  
 B. entered the glass bottle  
 C. gone down  
 D. risen
42. Which one of the following is not a characteristic of reptiles?  
 A. They have moist skin with no scales  
 B. They are cold blooded  
 C. They lay eggs  
 D. They breathe through lungs
43. Standard five pupils performed an experiment using the procedure below  
 (i) Put some garden soil in a container  
 (ii) Heated the soil for sometime  
 (iii) They later saw smoke leaving the container  
 (iv) The smoke was accompanied by smell

What were the pupils trying to find out? That soil contains \_\_\_\_\_

- A. air B. organic matter  
 C. water D. soil particles
44. Njeri saw a child with the following symptoms:  
 (i) Wrinkled face (ii) Cried a lot  
 (iii) Thin (iv) Weak body  
 The child was likely to be suffering from  
 A. Marasmus B. Kwashiorkor  
 C. Rickets D. Anaemia
45. A triangular file is used for \_\_\_\_\_  
 A. sharpening a knife  
 B. cutting wood  
 C. digging hard soil  
 D. sharpening a saw
46. Which of the following consists of food that help the body to recover quickly from diseases and wounds to heal much faster?  
 A. Chapati, pineapple, cabbage  
 B. Beef, maize, potatoes  
 C. Oranges, paw paw, carrot  
 D. Fish, bean, termites
47. One of the following groups has only good conductors of heat. Which one is it?  
 A. Aluminium, stone, clay  
 B. Aluminium, iron, silver  
 C. Iron, copper, glass  
 D. Clay, copper, Aluminium
48. Which one of the following statements is not correct?  
 A. Size of the object affects floating and sinking  
 B. Shape of material affects floating and sinking  
 C. Pressure in liquids increases with depth  
 D. Type of material affects floating and sinking
49. Condensation is a process in which \_\_\_\_\_  
 A. solid changes to liquid  
 B. liquid changes to solid  
 C. gases changes to a liquid  
 D. liquid changes to gases
50. Which one of the following tools does not require oiling or greasing?  
 A. Saws B. Files  
 C. Jembes D. Pangas